

**Chapter 20 Weather Patterns and Severe Storms****Section 20.2 Fronts**


*This section explains how fronts form, describes different types of fronts, and explains how mid-latitude cyclones affect weather in the United States.*

**Reading Strategy**

As you read, complete the outline below. Include information about how each of the weather fronts discussed in this section forms and the weather associated with each. For more information on this Reading Strategy, see the **Reading and Study Skills** in the **Skills and Reference Handbook** at the end of your textbook.





Fronts
I. Warm front
A. _____
B. _____
II. Cold front
A. _____
B. _____
_____
_____
_____
_____
_____
_____

**Formation of Fronts**

1.  A front is a(n) \_\_\_\_\_ that separates two air masses.
2. Is the following sentence true or false? Like air masses, most fronts are very large. \_\_\_\_\_

**Types of Fronts**

*Match each description with its front.*

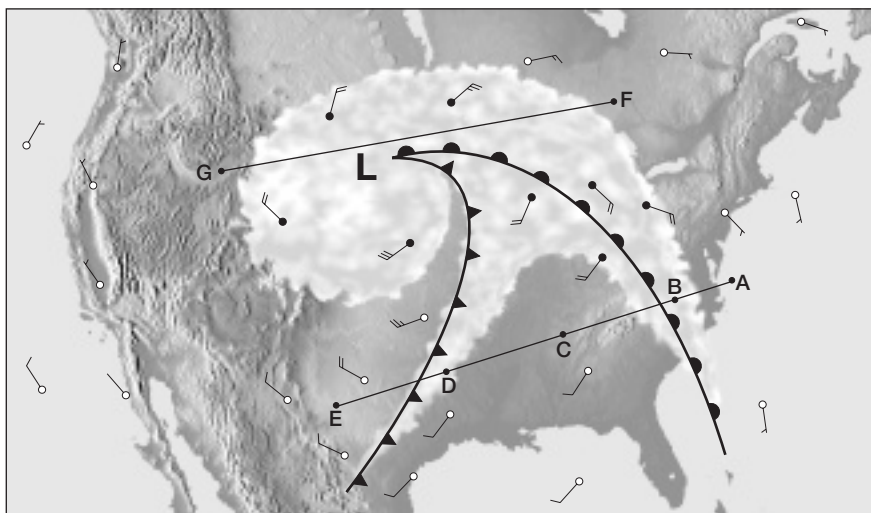
Description	Front
_____ 3.  Air flow is almost parallel to the line of the front, and the position of the front does not move.	a. warm front
_____ 4.  Cold, dense air moves into a region occupied by warmer air.	b. cold front
_____ 5.  Warm air moves into an area formerly covered by cooler air.	c. stationary front
_____ 6.  A cold front overtakes a warm front.	d. occluded front

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7. A warm front often produces a(n) \_\_\_\_\_ increase in temperature.
8. Is the following sentence true or false? Forceful lifting of air along a cold front can lead to heavy rain and strong winds.  
\_\_\_\_\_

### Middle-Latitude Cyclones

9. ☁ The middle-latitude cyclone shown in the figure is a center of low \_\_\_\_\_.



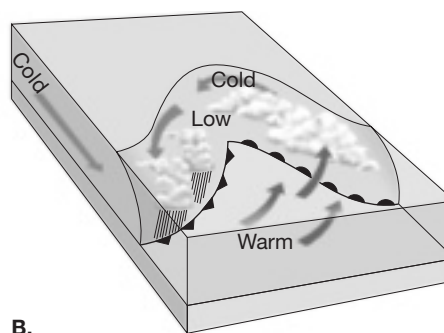
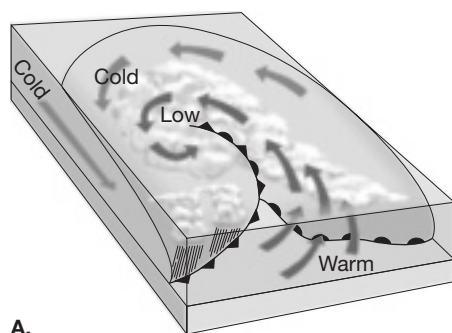
10. Name the type of front shown at each of these locations in the figure.

location B: \_\_\_\_\_

location D: \_\_\_\_\_

### The Role of Airflow Aloft

11. ☁ What often fuels a middle-latitude cyclone? \_\_\_\_\_  
\_\_\_\_\_
12. In what order do the stages of a middle-latitude cyclone shown in the figures occur? \_\_\_\_\_



13. Is the following sentence true or false? Figure A shows the development of a stationary front. \_\_\_\_\_